

## Publications in 2015 of research projects with the NBB as co-author

The following list contains publications that arose from research projects in which the NBB's contribution was more substantial than the supply of tissue, but also e.g. intellectual input into study design or specific analyses of tissue or donor data. In these cases the NBB requests corporate coauthorship.

- Bergen, A. A., Kaing, S., ten Brink, J. B., Netherlands Brain Bank, Gorgels, T. G., & Janssen, S. F. (2015). Gene expression and functional annotation of human choroid plexus epithelium failure in Alzheimer's disease. *BMC Genomics*, *16*(1), 1–15. <https://doi.org/10.1186/s12864-015-2159-z>
- Krudop, W. A., Bosman, S., Geurts, J. J., Sikkes, S. A., Verwey, N. A., Stek, M. L., ... Netherlands Brain Bank. (2015). Clinico-pathological correlations of the frontal lobe syndrome: Results of a large brain bank study. *Dementia and Geriatric Cognitive Disorders*, *40*(3–4), 121–129.

## All publications in 2015

The following list contains publications that were realized through the use of NBB tissue. The NBB is acknowledged in these articles, but is not included as a co-author.

- Ádori, C., Glück, L., Barde, S., Yoshitake, T., Kovacs, G. G., Mulder, J., ... Mitsios, N. (2015). Critical role of somatostatin receptor 2 in the vulnerability of the central noradrenergic system: New aspects on Alzheimer's disease. *Acta Neuropathologica*, *129*(4), 541–563.
- Anand, U., Yiangou, Y., Sinisi, M., Fox, M., MacQuillan, A., Quick, T., ... Anand, P. (2015). Mechanisms underlying clinical efficacy of Angiotensin II type 2 receptor (AT2R) antagonist EMA401 in neuropathic pain: Clinical tissue and in vitro studies. *Molecular Pain*, *11*(1), 1–12. <https://doi.org/10.1186/s12990-015-0038-x>
- Baek, J.-H., Schmidt, E., Viceconte, N., Strandgren, C., Pernold, K., Richard, T. J. C., ... Eriksson, M. (2015). Expression of progerin in aging mouse brains reveals structural nuclear abnormalities without detectible significant alterations in gene expression, hippocampal stem cells or behavior. *Human Molecular Genetics*, *24*(5), 1305–1321. <https://doi.org/10.1093/hmg/ddu541>
- Barateiro, A., Afonso, V., Santos, G., Cerqueira, J. J., Brites, D., Horssen, J., & Fernandes, A. (2015). S100B as a Potential Biomarker and Therapeutic Target in Multiple Sclerosis. *Molecular Neurobiology*, 1–16. <https://doi.org/10.1007/s12035-015-9336-6>
- Beecham, G. W., Dickson, D. W., Scott, W. K., Martin, E. R., Schellenberg, G., Nuytemans, K., ... Van Deerlin, V. M. (2015). PARK10 is a major locus for sporadic neuropathologically confirmed Parkinson disease. *Neurology*, *84*(10), 972–980.
- Bergen, A. A., Kaing, S., ten Brink, J. B., Netherlands Brain Bank, Gorgels, T. G., & Janssen, S. F. (2015). Gene expression and functional annotation of human choroid plexus epithelium failure in Alzheimer's disease. *BMC Genomics*, *16*(1), 1–15. <https://doi.org/10.1186/s12864-015-2159-z>
- Berrocal, M., Corbacho, I., Vázquez-Hernández, M., Ávila, J., Sepúlveda, M. R., & Mata, A. M. (2015). Inhibition of PMCA activity by tau as a function of aging and Alzheimer's neuropathology. *Biochimica*

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- et Biophysica Acta (BBA) - Molecular Basis of Disease*, 1852(7), 1465–1476.  
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- Bouter, Y., Noguerola, J. S. L., Tucholla, P., Crespi, G. A. N., Parker, M. W., Wiltfang, J., ... Bayer, T. A. (2015). Abeta targets of the biosimilar antibodies of Bapineuzumab, Crenezumab, Solanezumab in comparison to an antibody against N-truncated Abeta in sporadic Alzheimer disease cases and mouse models. *Acta Neuropathologica*, 130(5), 713–729. <https://doi.org/10.1007/s00401-015-1489-x>
- Braun, R. J., Sommer, C., Leibiger, C., Gentier, R. J. G., Dumit, V. I., Paduch, K., ... Madeo, F. (2015). Accumulation of Basic Amino Acids at Mitochondria Dictates the Cytotoxicity of Aberrant Ubiquitin. *Cell Reports*, 10(9), 1557–1571. <https://doi.org/10.1016/j.celrep.2015.02.009>
- Broux, B., Mizee, M. R., Vanheusden, M., Pol, S. van der, Horssen, J. van, Wijmeersch, B. V., ... Hellings, N. (2015). IL-15 Amplifies the Pathogenic Properties of CD4+CD28– T Cells in Multiple Sclerosis. *The Journal of Immunology*, 1401547. <https://doi.org/10.4049/jimmunol.1401547>
- Bruggink, K. A., Kuiperij, H. B., Gloerich, J., Otte-Höller, I., Rozemuller, A. J. M., Claassen, J. A. H. R., ... Verbeek, M. M. (2015). Dickkopf-related protein 3 is a potential Aβ-associated protein in Alzheimer’s Disease. *Journal of Neurochemistry*, 134(6), 1152–1162. <https://doi.org/10.1111/jnc.13216>
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- Cho, K., Cho, M.-H., Seo, J.-H., Peak, J., Kong, K.-H., Yoon, S.-Y., & Kim, D.-H. (2015). Calpain-mediated cleavage of DARPP-32 in Alzheimer’s disease. *Aging Cell*, 14(5), 878–886.  
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- Cuadrado, E., Michailidou, I., van Bodegraven, E. J., Jansen, M. H., Sluijs, J. A., Geerts, D., ... Hol, E. M. (2015). Phenotypic Variation in Aicardi–Goutières Syndrome Explained by Cell-Specific IFN-Stimulated Gene Response and Cytokine Release. *The Journal of Immunology*, *194*(8), 3623–3633. <https://doi.org/10.4049/jimmunol.1401334>
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- Huang, Y., Skwarek-Maruszewska, A., Horr , K., Vandeweyer, E., Wolfs, L., Snellinx, A., ... Thathiah, A. (2015). Loss of GPR3 reduces the amyloid plaque burden and improves memory in Alzheimer's disease mouse models. *Science Translational Medicine*, 7(309), 309ra164-309ra164.  
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- Kaut, O., Schmitt, I., Hofmann, A., Hoffmann, P., Schlaepfer, T. E., W llner, U., & Hurlmann, R. (2015). Aberrant NMDA receptor DNA methylation detected by epigenome-wide analysis of hippocampus and prefrontal cortex in major depression. *European Archives of Psychiatry and Clinical Neuroscience*, 265(4), 331–341. <https://doi.org/10.1007/s00406-014-0572-y>
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- Kvartsberg, H., Duits, F. H., Ingelsson, M., Andreasen, N., Öhrfelt, A., Andersson, K., ... Blennow, K. (2015). Cerebrospinal fluid levels of the synaptic protein neurogranin correlates with cognitive decline in prodromal Alzheimer's disease. *Alzheimer's & Dementia*, *11*(10), 1180–1190. <https://doi.org/10.1016/j.jalz.2014.10.009>
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- Liu, Y., Zhou, Q., Tang, M., Fu, N., Shao, W., Zhang, S., ... Hu, G. (2015). Upregulation of alphaB-crystallin expression in the substantia nigra of patients with Parkinson's disease. *Neurobiology of Aging*, *36*(4), 1686–1691.
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- Lorteije, J. A., Zylberberg, A., Ouellette, B. G., De Zeeuw, C. I., Sigman, M., & Roelfsema, P. R. (2015). The Formation of Hierarchical Decisions in the Visual Cortex. *Neuron*, *87*(6), 1344–1356.
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- Østergaard, S. D., Mukherjee, S., Sharp, S. J., Proitsi, P., Lotta, L. A., Day, F., ... EPIC-InterAct Consortium. (2015). Associations between Potentially Modifiable Risk Factors and Alzheimer Disease: A Mendelian Randomization Study. *PLoS Med*, 12(6), e1001841. <https://doi.org/10.1371/journal.pmed.1001841>
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